T30

Instruction Manual T30

Thank you for your purchase. Please read this manual carefully before using your new player.





















• Some features might not be available in every region.

Before	using	the	product
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Welcome

Thank you for your iriver purchase

Thank you for your iriver purchase.

The T30 comes complete with a long list of advanced features. It is important that you read the manual to ensure that you get the most out of your new player.

http://www.iriver.com



Obtain information about your player, look for updates, and find answers to questions at our web site.

- iriver website address is www.iriver.com.
- The site provides product information and customer support.
- Use the firmware (system software) upgrade function of our products from the site to continuously improve the product performance.

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- The companies, institutions, products, people and events used in examples are not real
 data. We don't have any intension to be related with any companies, institutions,
 products, people and events through this manual and should not draw inferences.
 User's are responsible for observing the copyrights and intellectual properties.

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Certification

CE. FCC. MIC

Trademarks

- Windows 2000, Windows XP and Windows Media Player are the registered trademarks of Microsoft Corp.
- is a trademark of SRS Labs, Inc.
 WOW technology is incorporated under license from SRS Labs, Inc.

Limited Liability

- Neither the Manufacturer, importers nor dealers is responsible for any accidental damage including bodily injury or any damage resulting from misuse or unsuitable operation by you.
- The information on this manual is prepared with the current player specifications.
 The manufacturer, iriver Limited, is adding new features to the product and may persistently apply new technologies hereafter. All standards may be changed at any time without notice.





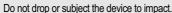
Safety Instructions For your safety, please read before use.

Product

Keep away from harsh environments including humid, dusty, and smoky areas.



Do not disassemble or modify.





Keep out of direct sunlight and extreme heat and cold.



Do not use excessive force on the buttons or attempt to disassemble the device.



Do not clean using chemicals or detergents. Doing so may damage the surface or paint.



Product

Keep the player away from strong magnets.

Safety Instructions For your safety, please read before use.



Avoid contact with water and other liquids and dry immediately with a soft cloth should contact occur.



Do not use headphone / earphones at high volume. Hearing experts advise against listening to continuous, loud and extended play.



Do not use headphones/earphones while cycling, driving, or operating any motorized vehicle. It is dangerous and is illegal in some areas.



Avoid impacting the player against other objects when it is in your pocket or backpack.



External impact, lightning, power shorts or other events may damage the data stored in the product. The user is solely responsible for data backup and the company will not be liable for loss of stored data under any circumstances.





Getting started

ifiver www.iriver.com

Chapter

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Product LCD Screen display	
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Components • Accessories subject to change without notice and may vary from image shown.





USB cable



Installation CD



User Manual/ Warranty card/Quick Start Guide



Battery(AAA Type, 1EA)



Neck strap for carrying

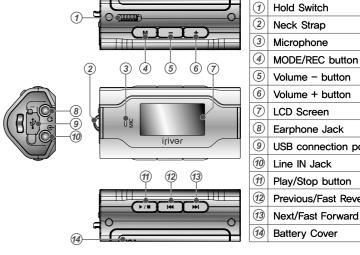


Getting started



Locating the controls • Your player may differ sightly from that shown in the illustrations.

Product

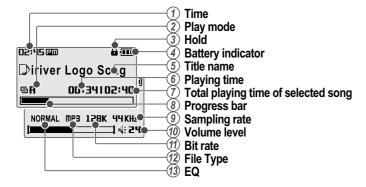




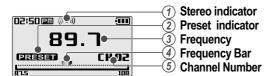
Locating the controls

LCD Screen display

1. MUSIC Mode



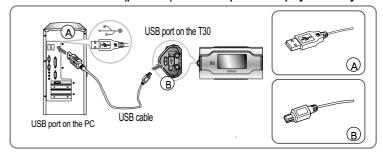
2. * FM RADIO Mode * Only for models including FM Radio function



Connection/Installation

Connecting to the PC

1. Connect the USB cable (provided) to the USB port on the player and to your PC.



Turn on the player, "USB Connect" icon will appear on the LCD screen of the player.



3. Once installed, open Windows Explorer and an additional device should be listed called "iriver T30".

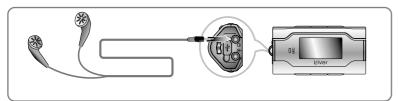




Connection/Installation

Connecting the earphones

1. Connect the earphones jack to the earphone socket on the player.



Replacing the battery

- 1. Open the battery cover.
- Insert the battery. (AAA 1.5V type x 1ea)
 Be sure to match the + and ends of the battery with the diagram inside the battery compartment.
- 3. Close the battery cover.



Note

- To avoid corrosion, remove the battery if the player is not to be used for a long time.
- When corrosion occurs, wipe the battery compartment immediately with a dry cloth and insert a new battery.

Connection/Installation

WMP 10 installation

 The program installation process will start automatically after inserting the Installation CD to the PC's CD-ROM drive.
 Click the [OK] button and follow the on screen instructions which appear as each window.





Quick start

iriver.com

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Basic Usage



Basic Usage

Quick start

Turning on/off the player



1 Turning on the player

Press the ►/■ button to turn on the player.

Previous function mode will be displayed.

02:45 m 100:04104:30

Note

■ If the player does not power ON, please replace your battery.



Turning off the player

Press and hold the ▶/■ button.

Turns off the player.



Playing a music file



1 When powered on, press and hold M button to display the function mode screen.





▶/■

Press ◄◄, ▶▶I button to choose the [MUSIC] mode then press ▶/ ■ button.

Previous music file will resume playback.



Selecting a music file



During the music file playback, press ◄◄, ▶► button to choose the desired music file.

 \blacktriangleleft : to select previous music file

▶▶|: to select next music file



Adjusting the volume



Adjusting the volume

During the music file playback, press -, + button to adjust volume level.

- : Decrease volume level.

+ : Increase volume level.





Basic Usage

Selecting the function mode

function mode.

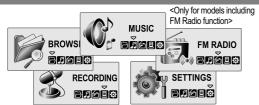


When powered on, press and hold M button to display the function mode screen.

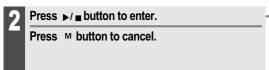
Press ◄◄, ▶▶ button to choose the desired



Note









Basic operation



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* Only for models including FM Radio function

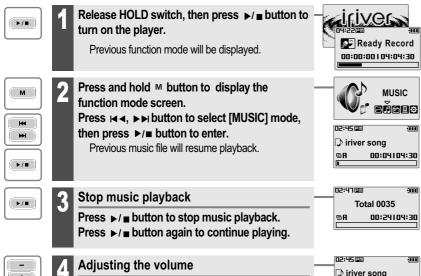


NORMAL MP3 128K 44KHz

Basic operation
MUSIC

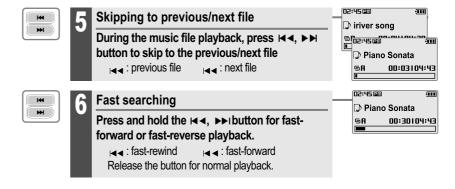
MUSIC

Playing a music file



During the music file playback, press -, +

button to adjust volume level.: Decrease volume level.: Increase volume level.

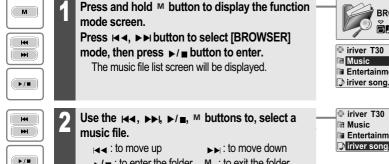


MUSIC

M

▶/■

Selecting a music file



M : to exit the folder

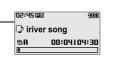
▶/■: to enter the folder

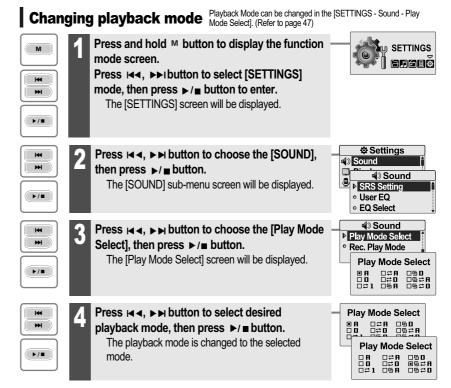
To exit file list screen, press M button.

Press ▶/ ■ button to start playback.











Basic operation
MUSIC

日月白旦尊

MUSIC

Vote		
■ The following the icons displayed to indicate playback mode.		
Normal A		Play all files in the player, then stop.
playback	D	Play all files in the current folder, then stop.
Repeat playback	₽1	Play a single file repeatedly.
	₽A	Play all files in the player repeatedly.
	₽□	Play all files in the current folder repeatedly.
Shuffle 5 A		Randomly play all files in the player, then stop.
playback	5 D	Randomly play all files in the current folder, then stop.
Shuffle		Randomly play all files in the player repeatedly.
playback repeatedly.	5 ₽ 0	Randomly play all files in the current folder repeatedly.

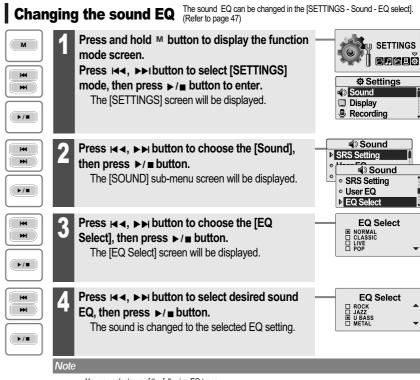
A-B Repeat

Press M button while playing to select the beginning (A) point.

Press M button again to select the end (B) point.

Play a selected interval repeatedly.

To cancel interval repeat, press the M button.



■ You can select one of the following EQ types: NORMAL, CLASSIC, LIVE, POP, ROCK, JAZZ, U BASS, METAL, DANCE, PARTY, SRS, USER EQ

MUSIC

Download Music & Playlists

Get the latest version of Windows Media Player

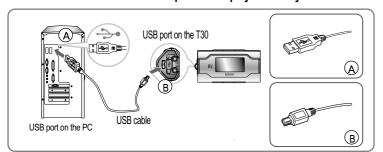
In order to copy music & playlists to your player, you must use Windows Media Player 10.

The installation CD-ROM should include the proper version of Windows Media Player.

Windows Media Player 10 can also be found online at : www.microsoft.com/windowsmedia/download/

Please note, purchased music can only be copied to this player using Windows XP and the latest version of Windows Media Player.

1. Connect the USB cable to the USB port on the player and to your PC.



2. Open Windows Media Player.

- a. Click Start -All Programs -Accessories -Entertainment -Windows Media Player.
- b. Click "Library" from the menu button near the top of the screen..

Most of your music should be listed in this library. If not, check Windows Media Player help for more information about the library.



MUSIC

player.

 Locate a Song or Playlist in the Library and Right-Click on it.
 Select "Add to -Sync List".
 A "Sync list" will appear on the right side of windows Media Player listing all the

Songs & Playlists to be added to your



Repeat for all the songs or playlists you would like to add to your player.

Click the "Sync" menu button.
 On the right side the Sync screen choose the T30 from the dropdown list.



5. Click Start Sync to transfer the songs or playlists on to the T30 player.
When complete, copied songs will appear in the "Synchronized to Device" list on the left side of Windows Media Player and in the specified folder on the right side of the screen.



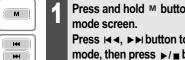
Disconnect the player from your computer and enjoy your music!

If you prefer to Auto Sync, please select "Auto Sync" in the menu of Set Up Sync. You can Auto Sync music and playlists.

Basic operation **MUSIC**

MUSIC

Deleting a file on the player Th File can be deleted in the [SETTINGS - Advanced - Delete File]. (Refer to page 61)



Press and hold ^M button to display the function

Press ◄◄, ▶▶ button to select [SETTINGS] mode, then press ▶/ ■ button to enter.

The [SETTINGS] screen will be displayed.





▶/■

▶/■

Press ◄ , ▶ button to choose the [Advanced], then press ▶/■ button.

The [Advanced] sub-menu screen will be displayed.



☆ Settings

Timer



Press ◄◄, ▶▶Ibutton to choose the [Delete File], then press ▶/■ button.

The [DELETE file] list screen will be displayed.







Select a file to delete by using the ◄◄, ▶▶, ▶/ ■, M button, then press ▶/■ button.

▶▶ : to move down ▶/■: to enter the folder M: to exit the folder

▶/■

▶/■

Press ◄ ◄, ▶ ▶ button to choose the [Yes], then press ▶/ ■ button.

File is deleted on the player.

☐ Diano Concerto Piano Sonata 05 Delete File Are You Sure? ☐ YES ■ NO

🔯 iriver T30

⊯ 🕽 Jazz Piano12.m

Delete File Are You Sure? ■ YES □ NO

iriver T30 □ Jazz Piano12.m ☐ Piano Concerto

Piano Solo Albu

Note

■ While in a music file playback, delete functions are not available

Note

■ You can not delete a folder at all.

BROWSER



Press and hold M button to display the function mode Screen.

Press ⋈ ◄, ▶ы button to select [BROWSER] mode, then press ▶/■ button to enter.



iriver T30

Entertainment

■ Music

MUSIC

File list screen is displayed on the LCD screen.



Listening to FM radio

1

* FM RADIO

Press and hold M button to display the function mode Screen.

* Only for models including FM Radio function

Press the ◄◄, ▶ы button to select [FM RADIO], then press the ▶/■ button to confirm.

The previous station is displayed.



H

▶/■

Press the ◄◄, ▶▶ button to select your desired station.



M

▶/■

To change STEREO/MONO

Press the M button to display FM Radio function Slection screen.

Press the I◄◄, ▶▶ button to select [STEI

Press the Idd, ►►I button to select [STEREO ON or STEREO OFF], then press the ►/■ button to confirm.

The station is changed to stereo or mono.



Note

In areas where the signal is weak, some channels may be unavailable, or reception may be poor. - 日月月日

Basic operation

* FM RADIO * Only for models including FM Radio function

89.7

98.1

RECORDING SAVE CHANNEL

AUTO SAVE

STEREO ON

Save Channel

CH 08

N2:54(2m) ((**))

02:54 🕮 ((**))

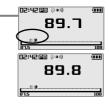
Searching for a FM radio frequency - Manual Scan

* Only for models including FM Radio function



If PRESET is displayed, first press the ▶/■ button to exit PRESET mode.

Press the ◄◄, ▶▶Ibutton to select your desired station.



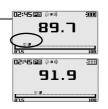
Searching for a FM radio frequency - Auto Scan



If PRESET is displayed, first press the ▶/■ button to exit PRESET mode.

To automatically locate a station press and hold the ◄◄, ▶▶I button.

The player will quickly scan through each frequency and stop at the next station that can tuned in.



Saving an FM Radio frequency - Manually



If PRESET is displayed, first press the ▶/■ button to exit PRESET mode.

Press the I◄◄, ▶▶I button to select your desired station.



Press the M button to display FM Radio function Slection screen.

Press the I◄◄, ▶▶I button to select [SAVE CHANNEL], then press the ▶/■ button.

The Save Channel screen is displayed.



▶/■

Select channel number by using the ◄◄, ▶► button, then press ▶/■ button to save.



■ : Saved □ : not used



To exit the Save Channel screen, press the $\,^{\,\text{M}}$ button.



Note

■ While in Preset mode, auto scan functions are not available.

Note

■ Up to 20 stations can be saved

* Only for models including FM Radio function

* FM RADIO * Only for models including FM Radio function

Saving an FM Radio frequency - Automatically



▶/■

Press the M button to display FM Radio function—Slection screen.

Press the ◄◄, ▶▶ button to select [AUTO SAVE].

Press the ▶/■ button to to automatically select stations and save them in sequential order.



Selecting preset memory



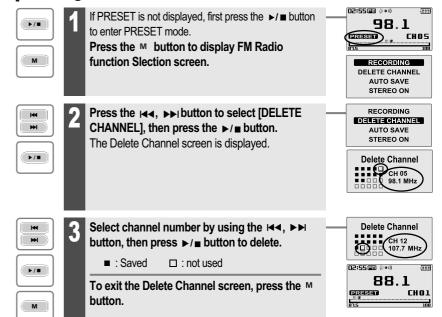
If PRESET is not displayed, first press the ▶/■ button to enter PRESET mode.

Press the ◄◄, ▶▶ button to select your desired channel.



Deleting a channel

Basic operation



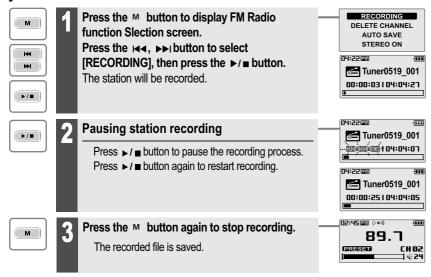
Note

■ When the player does not have any preset stations, EMPTY will be displayed at Preset mode, then fade out. D I fi l d

RFCORDING

RECORDING

To record *FM station *Only for models including FM Radio function



Note

- The recorded file is saved as TUNERMMDD XXX.MP3 in the RECORD folder.
- (MM : Month, DD : day, XXX : sequential number)

 Volume can not be controlled while recording.
- You can adjust recording quality at the SETTINGS-RECORDING-FM SETTING. (Refer to page 53)

Recording voice



- Note
 - The recorded file is saved as VOICEMMDD_XXX.MP3 in the VOICE folder. (MM: Month, DD: day, XXX: sequential number)
 - Volume can not be controlled while recording.
 - You can adjust recording quality at the SETTINGS-RECORDING-VOICE SETTING. (Refer to page 53)

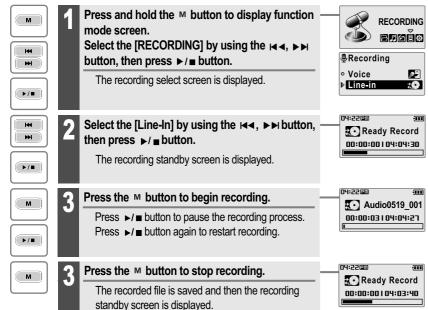
▶/■

М

▶/■

RECORDING

Recording from Line-In



- The recorded file is saved as AUDIOMMDD_XXX.MP3 in the RECORD folder.
- (MM : Month, DD : day, XXX : sequential number)

 Volume can not be controlled while recording.
- You can adjust recording quality at the SETTINGS-RECORDING-LINE-IN SETTING. (Refer to page 54)

Listening to music

Note for recording

The recording will be stop if

- the amount of recorded data exceeds the memory capacity of the player.
- the battery is low.

To play a recorded file

While Recording standby mode, press ▶/∎ button to play recorded file.

Previous recorded file will begin playing back.

Press and hold the M button to display function mode screen.

Select the [BROWSER] by using the Idd, ▶▶I button, then press ▶/■ button.

BROWSER

□ AUDIO0519 001

00:04104:30

MUSIC

02:45 🕮

Select a recorded file in the [RECORD] or [VOICE] folder by using the ⋈◄, ▶▶, ⋈, ▶/■ button, then press ▶/■ button.

The selected file will begin playing back.

it o move up
 it o enter the folder
 it o exit the folder
 it o exit the folder
 it o exit the folder

00:04104:30

30

Note



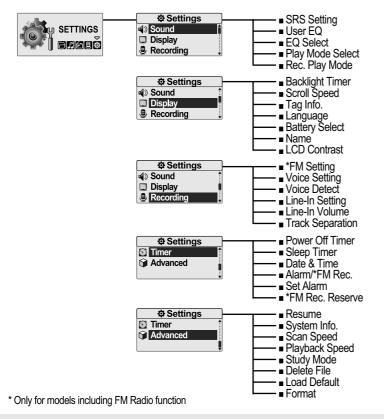
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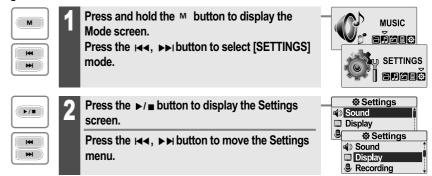
Menu configuration

- Functions are subject to change with different firmware versions.
- Users can configure their own settings.

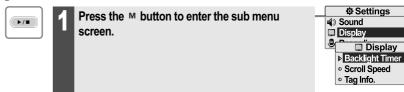


Menu operation

Enter Settings Menu



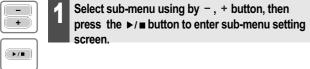
Enter Sub Menu



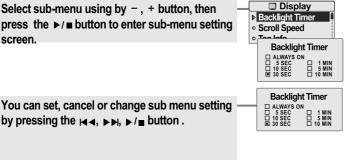


Menu operation

Set the menu functions



by pressing the ◄◄, ▶▶, ▶/■ button .



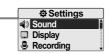
Exit sub menu



₩

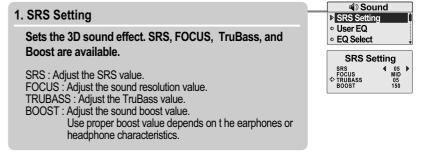
▶/■

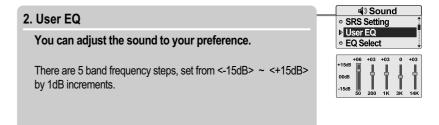
Press the M button to exit sub menu.



Sound

Customizing the function settings (Menu)

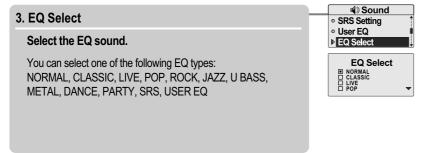




Ċ-

Listening to music

Sound

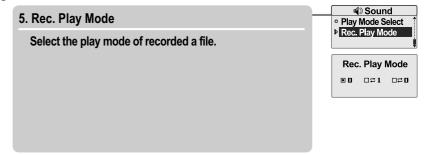




Sound

Useful features

Listening to music





Customizing the function settings (Menu)

Display



You can adjust the time that the Backlight stays on.

The Backlight can be set to:

<ALWAYS ON>, <5 SEC>, <10 SEC>, <30 SEC>, <1 MIN>, <5 MIN> or <10 MIN>.



2. Scroll Speed

Select scroll type and speed of the current title playback information.

The scroll type can be set to:

<VERTICAL> or <HORIZONTAL>.

The scroll speed can be set to:

<SLOW>. <NORMAL> or <FAST>.



Display

3. Tag Info.

While playing, you can display the information of music file by using ID3 Tag.

Customizing the function settings (Menu)

You can set <ON> or <OFF>.

Off: Display track with file name

File name will be displayed by default for songs with no ID3 information



4. Language

Select the language to display the file name and ID3 tag information.

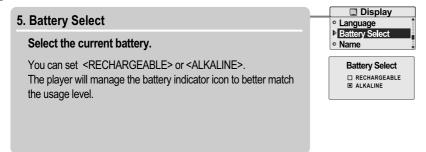
Support 40 languages.

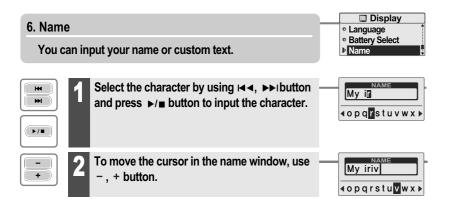


Customizing the function settings (Menu)

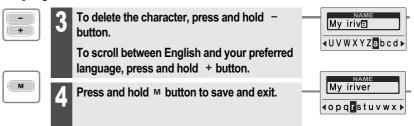
Customizing the function settings (Menu)

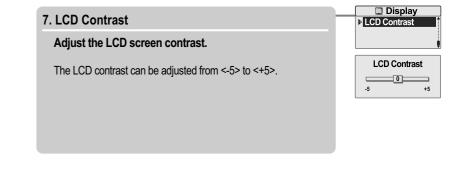
Display





Display

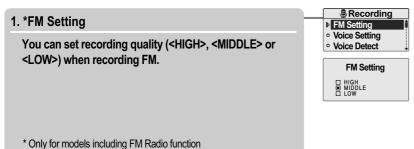


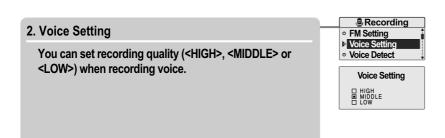


Useful features

Customizing the function settings (Menu)

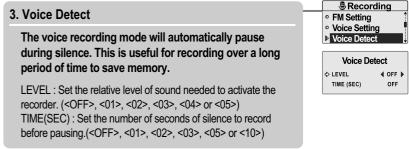
Recording

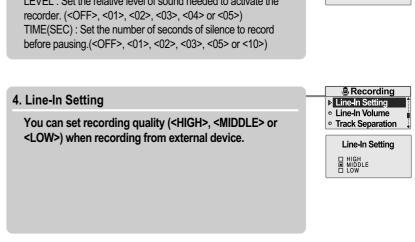




Recording

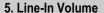
Customizing the function settings (Menu)





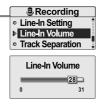
Customizing the function settings (Menu)

Recording



You can control volume for recording from voice.

<0> to <31> levels are available.



6. Track Seperation

While recording from external device, you can adjust the track separation time to save each track as an individual file if there is no sound part between the tracks.

If you use the Track Separation function with connecting external devices such as CD or tape, each track will be save to an individual file.



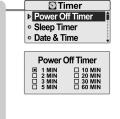
Timer

1. Power Off Timer

Listening to music

Automatically turns the power off at the stop mode.

Time range can be set from <1 MIN>, <2 MIN>, <3 MIN>, <5 MIN>. <10 MIN>. <20 MIN>. <30 MIN> or <60 MIN>.



2. Sleep Timer

Automatically turns the power off after a fixed time.

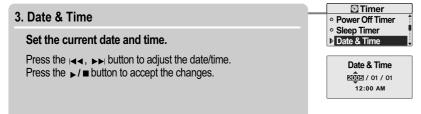
Time range can be set from <OFF>, <5 MIN>, <10 MIN>, <20 MIN>, <30 MIN>, <60MIN>, <120 MIN> or <180 MIN>. OFF: Sleep timer function does not activate.

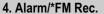




Customizing the function settings (Menu)

Timer





OFF: The Alarm and FM Record functions are disabled and the player will not power on at either indicated time.

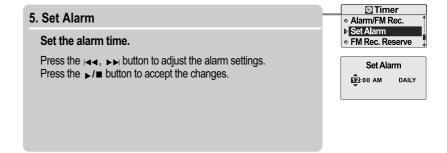
ALARM: At the time indicated in the "Set Alarm" setting the player will power on and begin music playback.

*FM RECORDING: At the time indicated in the "FM Rec. Reserve" setting the player will power on and begin recording from the selected radio station.

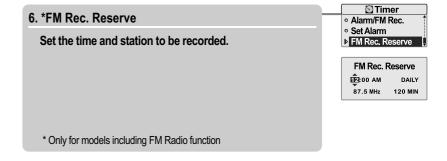
* Only for models including FM Radio function



l Timer

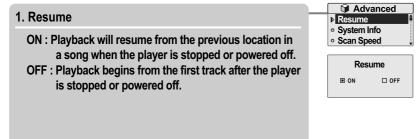


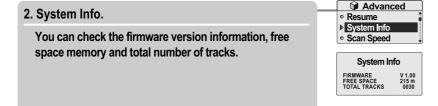
Customizing the function settings (Menu)



Customizing the function settings (Menu)

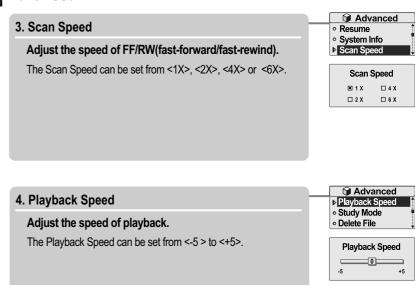
Advanced





Advanced

Customizing the function settings (Menu)



- 日月白月春

Useful features

Customizing the function settings (Menu)

Advanced

5. Study Mode

While playing, press and hold Idd, ▶▶I button will skip the current track set time ahead.

Time range can be set from <OFF>, <3 SEC>, <10 SEC>, <20 SEC>, <30 SEC>, <60 SEC>, <120 SEC> or <180 SEC>. OFF: Study Mode function does not activate.

Advanced

Playback Speed

Study Mode

Delete File

Study Mode

☐ 30 SEC ☐ 60 SEC ☐ 120 SEC ☐ 180 SEC

6. Delete File

While playback is stopped, you can delete a file on the player. (Refer to 29 page)

When in Delete file screen, press the ▶/ ■ button after slecting a file to delete it

YES: Delete selected a file.

NO: Cancel the delete function.



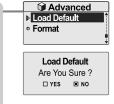
Advanced

7. Load Default

Reset menus to the original factory settings.

Customizing the function settings (Menu)

When the Load Default is done, the player will be rebooted automatically.



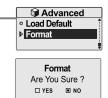
8. Format

Memory is formatted and all saved files are deleted.

Before formatting can begin, you must backup all data stored on the player.

Care must be taken as formatted files can not be recovered.

■ When the Format is done, the player will be rebooted automatically.





Customer Support

i∫i∨⊝∫ www.iriver.com

Chapter

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Firmware Upgrade

Firmware Upgrade

Download the latest firmware upgrade file from www.iriver.com/ support.

Unzip the firmware file (T30_MTP.HEX) and copy the file to iriver T30:\ data folder on the player.

Disconnect the USB cable.

After the player is disconnected from the computer, firmware upgrade will automatically begin.

Note

- ■Before upgrading the firmware, check the condition of the battery. The firmware upgrade may fail due to battery power shortage.
- Do not turn the player off until the upgrade is completed.
- When the upgrade is completed, the firmware file(T30_MTP.HEX) will be deleted automatically.

Customer Support

Troubleshooting

Should any problem persist after you have checked these symptoms, consult your iriver dealer or contact support at www.iriver.com.

Trouble	Solution
No Power.	■ Check whether the HOLD switch on the player is ON (Switch to OFF position) ■ Check the condition of the battery. Insert a fresh battery.
No sound or distortion during playback.	 Check whether VOLUME is set to "0". Firmly connect the earphones. Check whether the plug is dirty. Clean the plug with a dry and soft cloth. Corrupted MP3 or WMA files may make a static noise and the sound may cut off. Listen to your files on the PC to see if they are corrupted.
Characters in LCD are corrupted.	■ Check out SETTINGS → Display → Language and confirm whether the right language has been selected. (Refer to page 50)
Poor *FM Reception.	 Adjust the position of the player and earphones. Turn off the power of other electric devices near the player. The Earphone cord functions as the antenna, they must be plugged in for best reception.
Failed download of MP3 file	 Check the condition of the battery. Check the connection between your computer and the player to ensure that the cable is secure. Check whether the player's memory is full.
The title saved in T30 are not played.	■ T30 supports up to 700 music files and 700 folders.



Specifications

Memory Capacity	256 MB*	512 MB*	1 GB*
Model No.	T30 256MB	T30 512MB	T30 1GB

Category	Item	Specifications			
	Frequency range	20 Hz ~ 20 KHz			
	Headphone Output	(L)15 mW + (R)15 mW (16 Ohm) max. Volume			
Audio	S/N ratio	90 dB(MP3)			
	Number of Channel	Stereo (Left/Right)			
	FM Frequency range	87.5 MHz ~ 108 MHz			
FM Tuner**	S/N ratio	60 dB			
	Antenna	Headphone/Earphone-Cord Antenna			
File Playback	File Type	MPEG 1/2/2.5 Layer 3, WMA, OGG, ASF			
	Bit Rate	MP3/WMA: 8Kbps~320Kbps, OGG: Q1~Q10			
	Tag Info	ID3 VI, ID3 V2.2.0, ID3 V2.3.0, ID 3 V2.4.0			
Recording	Max. Recording time	256 MB	512 MB	1 GB	
	(@32kbps)	Approx. 18 hours	Approx. 36 hours	Approx. 72 hours	
	Dimension	60 (W) x 30.4 (D) x 22.1 (H) mm 27 g (Battery excluded)			
	Weight				
	LCD	Full Graphic 4 Line with Backlight			
General	Language	40 languages			
	Battery	AAA Type Alkaline battery 1EA			
	Operational Temperature				
	Max. Playtime	Approx. 20 hours (128 kbps, MP3, Vol 20, Backlight off, EQ Normal, Alkaline "AAA" 1000mAh)			

^{* 1} MB = 1,000,000 Bytes / 1 GB = 1,000 MB = 1,000,000,000 Bytes Not all memory available for storage. Memory is not expandable.

Safety Information

For Safety

Avoid dropping or impacting the player.

The player is designed to operate while walking or running, but dropping or excessively impacting the player may be cause damage.

Avoid contacting the player with water.

Damage to the internal parts of the player may occur if the player comes into contact with water. If your player gets wet, dry the outside with a soft cloth as soon as possible.

- Do not leave the player in a location near heat sources, or in a place subject to direct sunlight, excessive dust or sand, moisture, rain, mechanical shock, unleveled surface, or in a car with its windows closed.
- Remove the battery if player is unused for long periods of time.
 Battery left in the player for a long time can corrode and damage the device.
- All data stored on this device may be erased by a excessive impact, a thunder or an
 electricity failure, etc. on the device.

The manufacturer does not warrant and will not be held responsible in any way for damages or loss of data, including loss of data stored on this device, resulting from a excessive impact, a thunder or an electricity failure, You will be responsible for safe-guarding all data stored on this device.

On headphones and earphones

Road Safety

Do not use headphones/earphones while driving, cycling, or operating any motorized vehicle. It may create a traffic hazard and is illegal in some areas. It can also be potentially dangerous to play your headset at high volume while walking, especially at pedestrian crossings. You should exercise extreme caution or discontinue use in potentially hazardous situations.

- Preventing hearing damage
 Avoid using headphones/earpho
- Avoid using headphones/earphones at high volume. Hearing experts advise against continuously loud and extended play. If you experience a ringing in your ears, reduce volume or discontinue use.
- Consideration for others
 Keep the volume at a moderate level. This will allow

Keep the volume at a moderate level. This will allow you to hear outside sound and to be considerate of the people around you.

^{**} Only for models including FM Radio function

Memo

FCC Certification

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

- (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
- (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE, RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

Memo □ ♬ ♠ ₺ ♥

Memo